

Title (en)  
MAGNETIC SENSOR AND BIOMAGNETIC MEASUREMENT DEVICE

Title (de)  
MAGNETSENSOR UND BIOMAGNETISCHE MESSVORRICHTUNG

Title (fr)  
CAPTEUR MAGNÉTIQUE ET DISPOSITIF DE MESURE BIOMAGNÉTIQUE

Publication  
**EP 4270035 A1 20231101 (EN)**

Application  
**EP 21910807 A 20211221**

Priority  
• JP 2020214191 A 20201223  
• JP 2021047409 W 20211221

Abstract (en)  
A magnetic sensor includes a magneto-sensitive body whose electromagnetic properties change under an action of an external magnetic field, a coil disposed to obtain an induced voltage proportional to the external magnetic field, a sampler configured to sample the induced voltage generated in the coil and obtains a sampling voltage, and an automatic correction circuit configured to relatively adjust a rise timing of a magneto-sensitive body clock for driving the magneto-sensitive body and a rise timing of a sampler clock for driving the sampler according to the sampling voltage.

IPC 8 full level  
**G01R 33/02** (2006.01); **A61B 5/05** (2021.01)

CPC (source: EP US)  
**A61B 5/0522** (2013.01 - EP); **G01R 33/0017** (2013.01 - US); **G01R 33/0041** (2013.01 - EP); **G01R 33/007** (2013.01 - EP);  
**G01R 33/063** (2013.01 - EP US); **G01R 33/091** (2013.01 - US); **A61B 5/05** (2013.01 - EP US); **G01R 33/0094** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4270035 A1 20231101**; CN 116634934 A 20230822; JP 2022100055 A 20220705; JP 7295516 B2 20230621; US 2024019506 A1 20240118;  
WO 2022138667 A1 20220630

DOCDB simple family (application)  
**EP 21910807 A 20211221**; CN 202180085667 A 20211221; JP 2020214191 A 20201223; JP 2021047409 W 20211221;  
US 202118258116 A 20211221